

SAP'RLIYEV, R., Grad Agr Sci—(diss) "Soils of ~~the~~ Stalinok Rayon of
Mang'yulaya Oblast of the Turkmen SSR." Ashkhabad, Publishing House
of the Acad Sci Turkmen SSR, 1952. 23 pp (Min of Agr USSR, Tashkent Agr
Inst), 150 copies (XL, 31-52, 105)

- 86 -

SAPARLIYEV, R.

Characteristics of soils in the Murgab region of Mary Province. Izv.
AN Turk.SSR.Ser.biol.nauk no.4:53-61 '62. (MIRA 15:9)

1. Turkmenskiy sel'skokhozyaystvennyy institut imeni M.I.Kalinina.
(MURGAB OASIS—SOILS)

SAPAROV, O.

Some arithmetical estimates related to a Riemann hypothesis.
Nauch. trudy TashGU no.228:80-84 '63.

Analytical representation of certain classes of Dirichlet
series. Ibid.:85-91 (MIRA 18:7)

SAPARNIYAZOV, O.

Letter to the editors. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk
9 no.1:113 '65. (MIRA 18:6)

1. Institut matematiki imeni Romanovskogo AN UzSSR.

SAPARNIYAZOV, O.

Character sum of like powers of the modulus of Dirichlet L-functions in the critical band. Izv. AN Uz.SSR.Ser.fiz.-mat.nauk 8 no.1:12-19 '64.

Asymptotic equalities for the number of classes of ideals of an imaginary quadratic field. Ibid.:88-90 (MIRA 18:3)

1. Institut matematiki imeni Romanovskogo AN UzSSR.

SAPAROV, A.

19983 SAPAROV, A. Dvadtsat' let spustya. /kolkhoz Krasnyy partizan .
Volkhovsk. rayon Leningr. obl. Ocherki⁷. Zvezda, 1949, No. 4, s. 121-28.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

SAPAROV, A.

A dream under lock. Vokrug sveta no.7:8-11 J1'55. (MIRA 8:10)
(Nubian Desert--Description and travel) (Sahara Desert--Description
and travel)

SAPAROV, A.

In the distant Nebit-Dag. Prof.-tekh.obr. 17 no.3:30 Mr '60.
(MIRA 13:6)

1. Direktor remeslennogo uchilishcha No.6, g. Nebit-Dag Turkmenской
SSR.

(Nebit-Dag--Vocational education)

SAPAROV, A. V.

317N/5
758
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LEHINGRADSKIY METROPOLITEN IMENI V. I. LENIN (LENINGRAD'S V. I. LENIN SUB-
WAY, BY) A. V. SAPAROV I E. P. SEREBROVSKAYA. LENINGRAD, LENIZDAT, 1956.
238 p. ILLUS., MAP, PCRTS.

SAPAROV, B.

Some problems of the geology and hydrogeology of the zone
of the first order of the Kara Kum Canal in connection
with the calculation of seepage losses. Uch.zap.Turk.gos.un.
no.24:99-111 '63. (MIRA 18:11)

SAPAROV, B.S.

Case of a femoral myxoma. Zdrav. Turk. 6 no.1:33-34 Ja-F '62.
(MIRA 15:4)

1. Iz Maryyskoy oblastnoy bol'nitsy (glavnyy vrach - Kh.Sh.
Dzhanmamedov).

(FEMUR--TUMORS)

SAPAROV, B.S.

Utilization of filtration losses. Priroda 51 no.10:63 0 '62.
(MIRA 15:10)

(Kara Kum Canal region—Irrigation)

SAPAROV, B.

Some problems of designing and construction of the Kara Kuu
Canal. Izv. An Turk. SSR. Ser. biol. nauk no.3:44-50 '64
(MIRA 18:2)

1. Turkmenskiy institut vodnykh problem i gidrotekhniki.

KASHKAROV, O.D.; SAPAROV, G.M.

Cocrystallization field of sylvine and halite on a diagram of metastable equilibrium in the system

(Na⁺, K⁺, Mg⁺⁺), (Cl⁻, SO⁴⁻), H₂O at 70°C. Izv. AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol. nauk no. 6:99-104 '64.

(MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut galurgii.

GULYAYEV, A.P.; SAPAROV, K.

Investigating the effect of nickel, copper, and manganese on
the phase constitution and properties of cast iron with spheroidal
graphite. Lit. proizv. no.6:31-34 Je '63. (MIRA 16:7)

(Cast iron--Metallography)

GULYAYEV, A.P.; SAPAROV, K.

Effect of manganese on the phase composition and the properties of high-strength complex-alloy cast iron. Lit. proizv.
no.7:35-36 J1 '63. (MIRA 17:1)

L 29008-66 EWT(m)/EWP(t)/ETI JD
ACC NR: AP6018841

SOURCE CODE: UR/0413/66/000/007/0061/0061

AUTHOR: Gulyayev, A.P.; Yukalov, I.N.; Fedorov, V.K.; Yakhnina, V.D.; Saparov, K.;
Landa, A.F.

ORG: none

TITLE: Nonmagnetic iron. Class 40, No 180353

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 61

TOPIC TAGS: cast iron, nickel containing alloy

ABSTRACT: A new nonmagnetic cast iron is proposed which has a reduced nickel content. This iron has the following chemical composition (in %):

Carbon	3.0-3.1
Silicon	2.7-3.14
Manganese	6-8
Sulfur	0.02-0.03
Phosphorus	0.05-0.06
Chromium	0.1-0.2
Nickel	5-6
Copper	2.0-2.5
Magnesium	0.1-0.14

SUB CODE: 11 / SUBM DATE: 21Aug64

Card 1/1 BLG

UDC: 669.131.7

SAPAROV, M.A., inzh.

Color in the decoration of ship accommodations. Sudostroenie 30
no.10:6-9 0 '64. (MIRA 17:12)

SAPAROV, M. Ya

42710. SYRENSKIY, N. N. i SAPAROV, M. Ya Ob Izuchenii Elektrotravmy. Vracheb. Delo, 1948, No 11, s. 1007-12.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

NYMM, E.M. [Norm, E.]; SAPOGOV, A.G.; SAPAROV, S.; SHAKHMARDANOV, Z.A.,
kand.veter.nauk; GRITSENYUK, N.

Throughout the Soviet Union. Veterinariia 37 no.1:94-96 Ja '60.

(MIRA 16:6)

(Veterinary medicine) (Kovalev, Saveli Leonovich, 1911-1959)

[illegible]

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z																										A B C D E F G H I J K L M N O P Q R S T U V W X Y Z																									
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Mamykin, P. S., Saporov, V. V., and D'yachkov, P. N. UKTUSKIL DUNIT'S ROLES IN THE REFRACTORY INDUSTRY <i>Zhurnal Tekhnicheskoy Khimii</i>, # (7) 348-50 (1940). Tests showed the possibility of using Uktuskil dunit in the manufacture of refractories, particularly in the production of fired forsterite refractories.																																																			

1ST AND 2ND ORDERS										PROPERTY AND PROPERTIES INDEX										100 AND 4TH ORDERS									
C A										19																			
Refractory forsterite masses from Ural dunites. P. S. Mamykin and V. V. Saparov. <i>Ural. Mat.</i> 9, No. 2, 18-22 (1940); <i>Chem. Zvezdy</i>, 1940, II, 2071; cf. C. A. 35, 1167⁹.—The compn. and properties of Russian dunites and the forsterite masses obtained from them, according to the directions of different Institutes, are described. Special tests showed that the best baking was obtained by the finest possible wet grinding of dunite and 20% magnesite powder, and the brick could be molded by hand press. With a magnesite content of 20% the mech. strength was only 80 kg./sq. cm; which increases to 100 kg./sq. cm. when dunite is prefired at 1000-1100° (vol. weight 2.5 g./cc.). In granular dunite, prefiring lowers the porosity to 23.7% and raises the point of deformation (under pressure) to 1630° as compared to 1530° for unfired dunite (mech. strength 350 kg./sq. cm.). The wet grinding of the bonding agent is important, but not the molting pressure, which at 700 kg./sq. cm., even with an increase in the magnesite content from 10 to 25%, does not change the phys. and mech. properties of the brick. Factory tests confirmed these results and showed that products made of raw dunite had smaller vol. wt., lower mech. strength, lower deformation temp. under pressure and higher porosity than those of fired dunite, although the latter are satisfactory in practice. M. V. Condoide																													
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5 Mamykin, P. S., and Sagayev, Y. V. REFRACTORINESS OF SILICA AND OF ITS SEPARATE MODIFICATIONS. <i>Ural'skaya Metallurgiya</i>, 1940 [10] 22.—The authors reached the following conclusions: (1) The refractoriness of silica depends on the firing temperature; it reaches a maximum at 1280°C. and diminishes considerably at 1410°C. (2) The granulometric composition of the silica charge does not have a decisive influence on the refractoriness of silica brick. (3) Of the two raw materials used, quartz and crystalline quartzite, the latter is preferred. Crystalline quartzite fired at a low temperature produces a silica brick with a more compact and durable structure. (4) Silica brick fired at a temperature of 1280°C., compared with that fired at normal temperature, has a higher specific gravity and density and a lower porosity. The increase of the refractoriness of silica brick is due to the smaller glass content and the smaller thermal expansion coefficient of quartz in comparison with cristobalite. (5) Silica brick boiled in resins (of coal) well dehydrated possesses a higher refractoriness than normal silica. (6) In zonal brick, the cristobalite zone possesses the highest refractoriness.																																																			
3RD AND 4TH ORDERS																										1ST AND 2ND LETTER																									

SAPAROV, V.V., inzhener; SHCHERBAKOV, S.N., inzhener, redaktor; DUGINA, N.A., tekhnicheskii redaktor.

[New developments in the production of grinding wheels] Novoe v izgotovlenii shlifoval'nykh krugov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953. 51 p. (MIRA 8:4)
(Grinding wheels)

STRELOV, K.K.; ARISTOV, G.G.; SAPAROV, V.V.

Production of unburned magnesite-chrome crown refractories. Ogneupory 21 no.4:145-149 '56. (MLRA 9:8)

1. Ural'skoye otdeleniye Instituta ogneuporo (for Strelov);
 2. Glavuralmet (for Aristov); 3. M.-Saldinskiy metallurgicheskiy zavod (for Saparov).
- (Refractory materials)

SAPAROV, V.V.

~~"Technical control of the manufacture of refractories"~~ by G.G. Aristov,
Reviewed by V.V. Saparev. Ogneupory 22 no.1:3 of cover '59
(Refractory materials--Quality control) (MIRA 10:3)
(Aristov, G.G.)

AUTHOR: Saparov, V.V.

131-23-5-11/16

TITLE: Automatic Charging of the Pan Grinder (Avtomaticheskoye pitaniye pomol'nykh begunov)

PERIODICAL: Ogneupory, 1958, Vol. 23, Nr 5, pp. 235-235 (USSR)

ABSTRACT: The above operation was carried out in the department of refractories of the Nizhnyaya-Salda metallurgical plant. The crushed material is conveyed from the bunker by means of a conveyer band through a funnel which moves together with the rolls, on which occasion individual pieces must not exceed 100 mm. The electric scheme of automatic charging was suggested by the rationalizers of the plant V.T. Slobtsov, Ye.M. Mokeyev and N.I. Terent'yev. A relay of the RMM type is connected to the electric circuit of the pan grinder motor over a transformer 380/60; this relay switches over the motor of the charging device by way of a magnetic starter in dependence on the load of the pan grinder motor. When automation was introduced, the old charging device had to be replaced by a new one, which was produced by the Belokholunitskiy Plant imeni Lenina. In order to warrant undisturbed operation of the pan grinder the moisture content of the material

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Automatic Charging of the Pan Grinder

131-23-5-11/16

, to be ground must not exceed 2%.

ASSOCIATION: Nizhne-Saldinskiy metallurgicheskiy zavod (Nizhnyaya Salda Metallurgical Plant)

AVAILABLE: Library of Congress

1. Metallurgy 2. Grinders - Automation 3. Charges - Loading

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S/131/60/000/04/02/015
B015/B008

AUTHORS: Yuzvuk, D.I., Saparov, V.V.

TITLE: Semidry Method for the Manufacture of Chamotte Products From Clay
Types of the Troitsko-Baynovskaya Deposit

PERIODICAL: Ogneupory, 1960, No. 4, pp. 153-157

TEXT: In the paper under review the authors describe the introduction of the semidry pressing method at the Bogdanovichskiy ogneuporny zavod (Bogdanovich Works for Refractories) which was started there in 1958. The production scheme of the Vsesoyuznyy institut ogneuporov (All-Union Institute of Refractories) (Fig. 1) had to be altered in the course of the erection of the plant and its starting up. The clay types of the Troitsko-Baynovskaya deposit show an inconstancy of their physico-chemical quality indices (Table 1). Insert bricks for checker chambers with a porosity of 22% and ladle bricks with a porosity of 21% should be manufactured from these clay types according to the semidry method. The composition of the charges can be seen from table 2. No dense products, however, could be obtained when using these charges. The firing temperatures had

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Semidry Method for the Manufacture of Chamotte
Products From Clay Types of the Troitsko-Baynovskaya
Deposit

S/131/60/000/04/02/015
B015/B008

to be increased and the inserting of the briquettes into the kiln had to be altered upon a proposal by I.M. Novikov (Fig. 2). Since the required porosity of the products, however, could not be warranted in this way, firing was carried out in an annular kiln, the inserting being done in accordance with the scheme in Fig. 3. The authors state that the manufacturing technique of ladle- and insert bricks must be perfected still further for the purpose of increasing their density. There are 5 figures and 2 tables.

ASSOCIATION: Bogdanovichskiy огнеупорный завод (Bogdanovich Works for Refractories)

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YUZVUK, D.I.; SAPAROV, V.V.; KHOMUTININA, A.D.

Ladle brick with chrome-alumina slag. Ogemupory 27 no.9:389-391
'62. (MIRA 15:8)

1. Bogdanovichskiy ognepornyy zavod.
(Firebrick)

SHVARTSMAN, I.Sh.; MIKHALEVA, Z.I.; TURCHANINOV, V.S.; PAFAKIN, Kh.M.;
KOVALENKO, I.D.; YUZVUK, D.I.; SAPAROV, V.V.

Stoppers and nozzles from Ural Mountain raw materials.
Ogneupory 28 no.12:538-543 '63.

(MIRA 16:12)

1. Vostochnyy institut ogneuporov (for Shvartsman, Mikhaleva).
2. Nizhne-Tagil'skiy metallurgicheskiy kombinat im. V.I. Lenina
(for Turchaninov, Papakin, Kovalenko).
3. Bogdanovichskiy
ogneuporny zavod (for Yuzvuk, Saparov).

YUSYUK, D.I.; SOLOVYOV, V.V.; KHOMUTININA, A.G.; KLYUYEV, V.M.

New developments at the Bogdanovich refractories plant. Ogneupory
30 no.5:8-9 '65. (MIRA 18:5)

1. Bogdanovichskiy ogneuporny zavod.

ACC NR: AP6021570

(A)

SOURCE CODE: UR/0131/66/000/003/0005/0008

AUTHOR: Yuzvuk, D. I.; Saparov, V. V.; Khomutina, A. D.; Klyuyev, V. M.

ORG: Bogdanovich Refractories Plant (Bogdanovichskiy ognepornyy zavod)

TITLE: Device for prolonged measurement of the temperature of molten steel

SOURCE: Ogneupory, no. 3, 1966, 5-8

TOPIC TAGS: *METALLURGIC FURNACE, MOLTEN METAL,*
thermocouple, temperature measurement, high temperature instrument,
metallurgic research ~~ET-120 potentiometer~~

ABSTRACT: On the basis of blueprints drafted at the Bogdanovich Refractories Plant a device for prolonged continuous measurement of the temperature of molten steel in the hearth furnace has been constructed (Fig. 1) on using a water-cooled immersion thermocouple tipped with a specially prepared mixture of ZrO_2 and SiC which does not interact with molten steel at high temperatures and sheathed in protective refractory liners. The ZrO_2 - SiC tip and refractory liners assure normal performance of the thermocouple for 2-3 hr. The device also includes a holder, a bushing, and a steel tube protecting the thermocouple against impact on immersion in the molten bath. The thermocouple is inserted into the open-hearth fur-

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UDC: 666.76:536.532

ACC NR: AP6021570

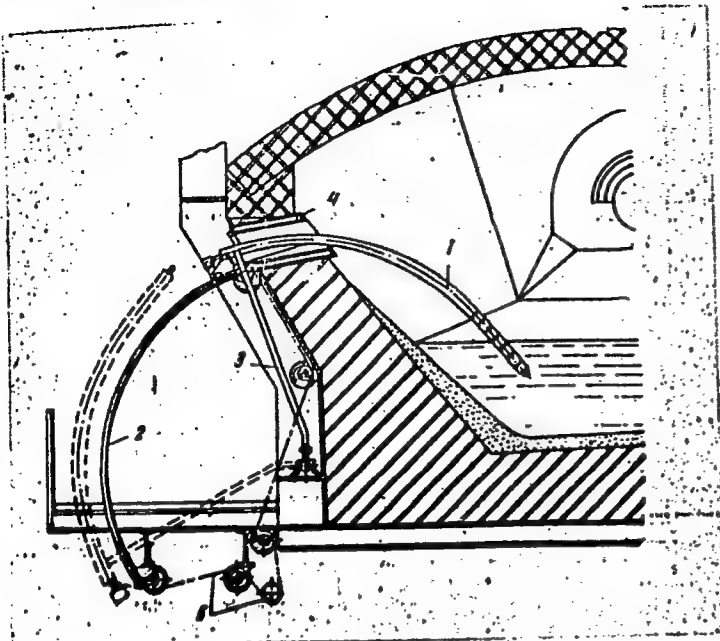


Fig. 1. Stationary device for prolonged continuous measurement of the temperature of molten steel in an open hearth furnace:

- 1 - thermocouple; 2 - directing arc;
3 - supporting rods; 4 - water-cooled tuyere; 5 - moving mechanism

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ACC NR: AP6021570

nace via a water-cooled tuyere. The temperature of the molten steel is measured by means of W-Mo thermoelectrodes; the thermo-e.m.f. they develop is recorded by means of an EP-120 potentiometer. Operating trials of the device at the Serov and Alapayevsk metallurgical combines, the Serverskiy Tubo Plant and the Nizhne-Saldinskiy metallurgical plants were satisfactory. Orig. art. has: 3 figures.

SUB CODE: 13, 11 / SUBM DATE: none/ ORIG REF: 007

Card 3/3

201.130V, V.Ye. Cond Tech Sci--(diag. "Combined projections (central and
parallel) and ~~the application of them~~ *description design* to the design and ~~construction~~ of the composition
of multi-component systems." Len, 1953. 12 pp with drawings (Min of
Higher Education USSR. Len Order of Labor Red Banner Technological Inst.
in Leningrad), 120 copies (XL, 31-52, 104)

-66-

SAPAROV, V. YE.

8/137/60/000/005/009/009
A006/A002

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 5, p. 321,
11440

AUTHOR: Saparov, V. Ye.

TITLE: On the Graphical Calculation of the Composition of Multi-Component
Systems

PERIODICAL: Tr, Leningr. tekhnol. in-ta im. Lensovet, 1959, No. 50, pp. 210-226

TEXT: The author discusses a graphic method of calculating the composition of 4-, 5-, and 6-component systems. He investigates also the rules of the connecting straight line and the rules of lever. The combined (central and parallel) projection of any point of the spatial coordinate figure onto its faces is used as the basis of the suggested method of representing a multi-component system. The faces, i.e. the projection planes are rotated around a common edge until the coincidence with the plane of the graph is attained. In such a manner, the point corresponding to the composition of the multi-component system, is represented by its projections. Projections of the same point are connected by the corresponding connection lines. The location of the connection lines may be diverse and depends

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SAPAROV, V.Ye.

Graphical calculation of portland cement raw mixes.
TSement 26 no.3:26-30 My-Je '66. (MIRA 13:7)
(Portland cement)

SAPAROV, V. Ye.

Graphic calculation of the composition of multicomponent systems.
Trudy LTI no. 50:210-226 '59. (MIRA 14:3)
(Projection) (Mixing)

SAPAROV, Zh.

Training automobile specialists in the Kazakh S.S.R. Avt.
transp. 35 no.7:32 J1 '57. (MLRA 10:8)

1.Ministerstvo avtomobil'nogo transporta Kazakhskoy SSR.
(Kazakhstan--Automobile mechanics)

MARMER, Eduard Nikitovich; FERSHTER, Levit Moiseyevich; SAPAROVA, A.L.,
red.; VORONIN, K.P. / tekhn.red.

[Design of vacuum systems of electric furnaces] Raschet i
proektirovanie vakuumnykh sistem elektropечи. Moskva, Gos.
energ.izd-vo, 1960. 97 p. (Biblioteka elektrotermista, no.3).
(MIRA 14:2)

(Electric furnaces)

(Vacuum apparatus)

BELOBUSSOV, Nikolay Ivanovich; FEDOSYEVA, Yelena Georgiyevna;
SAPAROVA, A.L., red.; BORUNOV, N.I., tekhn.red.

[Cables, wires, and cords with plastic insulation] Kabeli,
provoda i shnury s plastmassovoi izolyatsiei. Moskva, Gos.
energ.izd-vo, 1960. 319 p. (MIRA 14:3)
(Electric wire, Insulated) (Electric cables)

FEL'DMAN, Iosif Aleksandrovich; GUTMAN, Mark Borisovich; RUBIN, Georgiy Kusiyelevich; SVENCHANSKIY, A.D., red.; SAPAROVA, A.L., red.; VORONIN, K.P., tekhn. red.

[Calculation of heating elements for electric resistance furnaces] Raschet nagrevatelei elektrophelei soprotivleniia. Moskva, Gos. energ. izd-vo, 1961. 26 p. (Biblioteka elektroturmista, no.5) (MIRA 14:8)

(Electric furnaces)

LAKERNIK, Rafail Moiseyevich; MACHERET, Lev Il'ich; PRIVEZENTSEV,
Vladimir Alekseyevich; SHARLE, David Leonidovich; Primal
uchastiy. BABITSKIY, O.Sh.; SAPAROVA, A.L., red.; BORUNOV,
N.I., tekhn. red.

[Cables and wires] Kabeli i provoda. [By] R.M.Lakernik i dr.
Moskva, Gos. energ. izd-vo. Vol.2. [Manufacture of cables with
paper insulation] Proizvodstvo kabelei s bumazhnoi izoliatsiei.
1962. 526 p. (MIRA 15:4)

(Electric cables)

69339

SOV/123-59-20-83549

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 20, p 154 (USSR)

1.2000

AUTHOR: Saparovskiy, S.V.

TITLE:

New Linking Method of Preparatory and Assembly Equipment for Complex Spatial Airplane Units

PERIODICAL:

Tr. Kuybyshevsk. aviats. in-t, 1958, Nr 7, pp 3 - 9

ABSTRACT:

It is suggested to exclude several linking points of preparatory and assembly equipment for units of the exhaust system (exhaust pipe and jacket) of airplane engines. The suggested construction of a model is based on the outlines of theoretical loftings, which are reproduced by steel patterns, to be switched on in the model. The author describes the technology of manufacturing the model, which represents a rigid construction of lofting patterns and does not require any intermediate linking elements, owing to which the dimensional chain from the lofting to the assembly jig is reduced. The fundamental advantages of the new method are: High precision in the manufacture of the model shape and a long preservation of this shape owing to the application of metallic

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SOV/123-59-20-83549

New Linking Method of Preparatory and Assembly Equipment for Complex Spatial Airplane Units

patterns. The presence of fixing elements in the model and the assembly jig makes it possible to carry out the finishing of grooves and choppers, as well as their assembly, immediately from the model, by which the complete identity of the assembly jigs is ensured, when they are being duplicated and repaired. 4 figures.

B.I.M.



Card 2/2

SAPAROVSKIY, S. V.

AID Nr. 979-5 29 May

DEEP DRAWING ON DROP HAMMERS (USSR)

Saparovskiy, S. V., and Ye. P. Smelyakov. Kuznechno-shtampovoye
proizvodstvo, no. 4, Apr 1963, 25-27. S/182/63/000/004/004/004

The Kuybyshev Aviation Institute has developed a special hydraulic unit (see illustration) which makes it possible to use the "elastic die-rigid punch" method for deep drawing on drop hammers instead of presses. Elastic die 1 is placed into steel container 2, which is fastened to the drop hammer ram. For better elasticity and more uniform distribution of pressure exerted on the blank, the

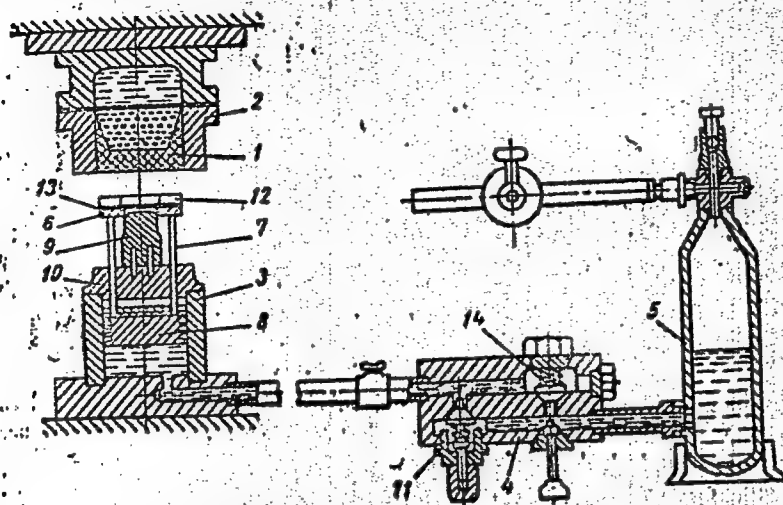
Card 1/3

.AID Nr. 979-5 29 May

DEEP DRAWING ON DROP HAMMERS [Cont'd]

s/182/63/000/004/004/004

top part of the container is filled with water and a rubber bag filled with granulated rubber is placed into the bottom part of the container. The top part



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29 May

DEEP DRAWING ON DROP HAMMERS [Cont'd]

8/182/63/000/004/004/004

(with fluid) of the container is separated from the bottom part by a rubber diaphragm. Floating piston 8 placed within steel cylinder 3 carries studs 7, which pass through the cylinder lid 3, and carry holder 6, blank 13, and hold-down ring 12. Interchangeable punch 9 is fastened to lid 10. The required fluid pressure in cylinder 3 is maintained by means of spring valve 11 in distributor box 4. Accumulator 5 receives fluid from cylinder 3 during the deep-drawing process and returns it by means of compressed air. The deep-drawing process is completed by several strokes of the ram with the reduction obtained in a single draw controlled by the spring of valve 14. After completion of the deep-drawing process, accumulator 5 is filled with compressed air which, with valve 14 open, forces the fluid into cylinder 3 and moves the piston 8 upward, removing the drawn part from the punch. Interchangeable tools (punch 9, holder 6, and ring 12) are made from case-hardened carbon steel for the deep drawing of duralumin, carbon steel, and alloy steel sheet 3 mm thick and heavier, and from zinc, wood, or plastic for the deep drawing of thinner gages. Experiments with hard-to-form materials were performed with preheating of the holder, blank, and ring. The method makes it possible to obtain draw ratios 8 to 10% higher than those in conventional dies. [SS]

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SAPAROVSKIY, S.V.; SMELYAKOV, Ye.P.

New method of the deep drawing of parts on sheet-metal working hammers. Kuz.-shtam.proizv. 5 no.4:25-27 Ap '63.

(MIRA 16:4)

(Deep drawing (Metalwork))
(Sheet metal working machinery)

RAZUMIKHIN, M.I.; SAPAROVSKIY, S.V.; FARMANOVA, V.N.

Rubber pad process for the blanking of outlines on hydraulic presses with a high specific pressure of the rubber. Kus.-shtam. proizv. 5 no.11:21-23 N '63. (MIRA 17:1)

SOROKIN, Igor' Nikolayevich; SAPAROVSKIY, Sergey Vladimirovich;
RAZUMIKHIN, M.I., prof., red. ; MIKHEYEV, N.I., red.

[Using vibration techniques in stretching sheet materials]
Obtiazhka listovykh materialov s primeneniem vibratsii.
Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1964. 66 p.
(MIRA 18:3)

SAPAROVSKIY, Sergey Vladimirovich; KOMAROV, Anatoliy Dmitriyevich;
SMELIYAKOV, Yevgeniy Petrovich; FARMANOVA, Viktoriya
Nikolayevna; PYT'YEV, P.Ya., inzh., retsenzent; KOROBV,
V.K., kand. tekhn. nauk, retsenzent; RAZUMIKHIN, M.I.,
prof., red.; PETROPOL'SKAYA, N.Ye., red.

[Rubber pad forming] Shtampovka rezinoi. Kuibyshev,
Kuibyshevskoe knizhnoe izd-vo, 1964. 106 p.
(MIRA 18:7)

L 05016-67 EWI(m)/EWP(t)/ETI/EWP(k) IJP(c) JD/HW

ACC NR: AR6031776 SOURCE CODE: UR/0276/66/000/006/V017/V017

AUTHOR: Smelyakov, Ye. P.; Saparovskiy, S. V.; Kaluzhskiy, I. I.

TITLE: A study of the process of pulsed deep drawing with fold formation

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 6V115

REF SOURCE: Tr. Kafedry proiz-va letatel'n. apparatov. Kuybyshevsk. aviats. in-t, vyp. 20, ch. 2, 1965, 19-40

TOPIC TAGS: deep drawing, deformation, pulsed deep drawing

ABSTRACT: A method was developed for pulsed deep drawing with fold formation. With this method, the mechanical diagram of the deforming material is improved considerably by combining the drawing elements (without clamping) and by the intermittent application of pressure and the sizing of the flange after the latter loses its stability. It was found that the degree to which the flange is strengthened during one pulse may serve as a criterion for selection of the amount of the depth increase in drawing. The magnitude of the increment of the drawing depth for a single pulse can be calculated either from the derived formulas or by a graphic method of solving equations with a nomogram. Orig. art. has: 8 figures. Six references are given. [Translation of abstract]

Card 1/1 SUB CODE: 13/ UDC: 621.983.3 vibration forming 18

I 26272-66 EWP(k)/EWT(m)/EWA(d)/EWP(t) LJP(c) TH/ID/HW
ACC NR: AP6012612 SOURCE CODE: UR/0182/66/000/004/0023/0024

AUTHOR: Sorokin, I. N.; Saparovskiy, S. V.; Smelyakov, Ye. P.; Shil'meyster, B. D.

ORG: none

TITLE: Stretch forming of metal sheets with vibrations

SOURCE: Kuznechno-shtampovoye proizvodstvo, no. 4, 1966, 23-24

TOPIC TAGS: metal forming, sheet forming, stretch forming, vibration forming

ABSTRACT: The effect of vibration in stretch forming has been investigated in forming D16AM aluminum alloy sheets (200 x 300 x 1 mm). Vibrations were applied either perpendicular to or in the direction of the stretching pressure. Perpendicular vibrations with a force of 110-355 kg, a frequency of 45-70 Hz, and an amplitude of 0.3-0.8 mm increased considerably the relative deformation at the same stretching pressure. The relative deformations achieved in the first four stretch forming steps were 7.0, 12.5, 15.5, and 17.0% without vibration and 11.0, 17.5, 15.5, and 26.0 with vibration. Vibration in the direction of stretching pressure at a frequency of 20-30 Hz and an amplitude of 0.09-0.22 mm had a similar effect. It increased the relative deformation in five steps from 7.5, 9.5, 12.0, 14.0, and 16.0% to 13.5, 16.0, 20.0, 24.0, and 27.0%. Thus, vibration increases the relative deformation and makes it possible to achieve the desired shape in fewer steps or to use a lower pressure to achieve the same relative deformation compared to

Card 1/2

UDC: 621.98.043

L 26272-66

ACC NR: AP6012612

conventional stretch forming without vibration. Vibrations applied simultaneously in both directions reduce the stretching pressure by 30% and increase the relative deformation from 22.5 to 33.0%. Orig. art. has: 1 figure and 4 tables. [WW]

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 001/ ATD PRESS: 4243

Card 2/2 CC

ACC NR: AR7004883

SOURCE CODE: UR/0276/66/000/009/V021/V021

AUTHOR: Saparovskiy, S. V.; Smelyakov, Ye. P.; Kaluzhskiy, I. I.

TITLE: Study of the stepped cupping of parts using a sheet-stamping hammer in a special setup

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 9V144

REF SOURCE: Tr. Kafedry proiz-va letatel'n. apparatov. Kuybyshevsk. aviats. in-t, vyp. 20, ch. 2, 1965, 3-18

TOPIC TAGS: stepped extrusion, extrusion ratio, metal extrusion, buckling, bending, cupping

ABSTRACT: The process of cupping of each stage can be divided into bending and extrusion of the blank prior to the moment of buckling of the flange; extrusion with folds on the flange; and straightening of folds and moderate extrusion. The extrusion force is highest at the first stage; it is 30—40% lower than in conventional extrusion. Experimental data show that stepped cupping permits the use of an extrusion ratio 20—25% lower than that for conventional stamping. Intermittent loading also reduces

Card 1/2

UDC: 621.983.3.001.1

ACC NR: AR7004883

the friction of the blank passing through the drawing edge of the extrusion die. In developing the extrusion technology, a selection should be made of the correct depth of extrusion for each stroke and the value of the back pressure in the lower section of the hydraulic equipment of the setup. The original article has 9 figures and a bibliography of 6 reference items. S. Shirman, [Translation of abstract] [AM]

SUB CODE: 13, 11, 14/

Card 2/2

FURNICA, M.; DINESCU, G.; NICOLESCU, P.; SAPATINO, V.

Contributions to the study on peroxidizing in tumors. Studii
cerc biochimie 6 no.3:403-410 '63.

1. Laboratorul de enzimologie al Institutului oncologic,
Bucuresti.



SAPATNITSKAYA, B.Ya.

Organization of methodological instructions on care in nurseries
and children's homes. *Pediatrics* 37 no.6:22-25 Je '59.

(MIRA 12:9)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo instituta okhrany
materinstva i detstva imeni N.K.Krupskoy (dir. - kand.med.nauk
A.I.Kornilova).

(INFANT CARE,

in Russia, in crèche (Rus))

(CHILD WELFARE,

in Russia, child. homes (Rus))

SAPATOV, P.

USSR/ Electronics - Radio receivers

Card 1/1 Pub. 89 - 15/30

Authors : Sapatov, P., and Samsonov, Yu.

Title : Tubeless superheterodyne receiver

Periodical : Radio 6, 26 - 27, Jun 1955

Abstract : Announcement is made on the design of a tubeless superheterodyne radio receiver with crystal triodes intended for reception of broadcasts from stations operating on long (150 - 420 kc) and medium (520 - 1600 kc) waves. The band-pass of the receiver is 6.7 kc. Structural and operational characteristics of the receiver are described. Tables; diagrams; illustration.

Institution :

Submitted :

SHISHMAKOV, V.; SAPATOV, P.

Superheterodyne with crystal triodes. Radio no.12:50-52 D '55.

(MIRA 9:4)

(Radio--Receivers and reception) (Triodes)

SAPATYY, S. E.

Vlasyuk, P. A. and Sapatyy, S. E. - "The effect of the various nutritional systems upon the physiological process of oxidizing ferments, the harvest, and the productivity of diverse varieties of beet sugar." Doklady Akad. nauk Ukr. SSR, No. 6, 1948, p. 7-15, (In Ukrainian, resume in Russian)

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

SAPATYY, S. Ye.

"Effecto of Different Systems of Feeding on the Activity of Oxidizing Enzymes, Yield, and Productivity of the Sugar Beet!"
Sb. Nauch. Tr. Umanskogo S.-Kh. In-ta, No 11, 1953, 172-179

Report on experiments conducted between 1946 and 1949 with different species of sugar beets by using organic and mineral fertilizers. Author determin ed that diffenat species require different methods. (RZhBiol, No 9, May 1955)

SO: Sum-No 787, 12 Jan 56

SAPEGIN, D.I.

Influence of cardiac glycosides on the conditioned reflex activity
of white rats. Zhur. vys. nerv. deiat. 11 no.5:951-955 S-0 '61.
(MIRA 15:1)

1. Chair of Pharmacology, Crimean Medical Institute.
(CONDITIONED RESPONSE) (CARDIAC GLYCOSIDES)

SAPFIROV, Georgiy Nikolayevich; RENGARTEN, P.A., retsenezent
[deceased]; MILANOVSKIY, Ye.Ye., nauchn. red.

[Structural geology and geological mapping] Strukturnaia
geologiya i geologicheskoe kartirovanie. Moskva, Nedra,
1965. 158 p. (MIRA 18:6)

SAPEGIN, D.I.

Effect of prolonged use of cardiac glycosides on higher nervous activity. Farm. i toks. 26 no.1:7-10 Ja-F '63. (MIRA 17:7)

1. Kafedra farmakologii (zav. - prof. N.S. Shvarsalon)
Krymskogo meditsinskogo instituta.

SAPEGIN, D.I.

Changes in the oxyhemoglobin content of arterial and venous
blood under the influence of various doses of cardiac
glycosides. Farm. i toks. 28 no.5:555-558 S-O '65.

(MIRA 18:12)

1. Kafedra farmakologii (zav. - prof. N.S.Shvarsalon) Krymskogo
meditsinskogo instituta, Simferopol'.

Influence of pH upon the thorough tanning of skins with willow extracts. M. SARGISY AND F. SARGISY. Vestnik Kuzbasskoi Prom. Torgov. 1929, 5M-10; Chem. Zentr. 1930, 11, 3896. Borax stabilizes and buffers the pH of willow exts.; 3.2 g. borax increases the pH as much as 0.72 g. Na_2CO_3 . Tanning at pH lower than 4 or higher than 6.5 is unsuccessful. Exts. of pH 7 which contain borax etch the skins. A. B.

ASACSLA METALLURGICAL LITERATURE CLASSIFICATION

19

CA

Processes and Properties of

Influence of the temperature on the swelling and penetration of willow liquor. F. A. Sergin. *Oxidation* *Tekhnika: Koshennye Proizvedeniya* 1931 No. 1, 38. —

A rise of temp. cannot be recommended in using willow exts. without the application of antiseptics. In the presence of antiseptics, by increase of temp. to 30-35° with a proper adjustment of the pH, the tanning is accelerated without affecting the quality of the goods. A. A. B.

AS 51.6 METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS																										COMMON VARIABLE MODES																									
COMMON ELEMENTS																										COMMON VARIABLE MODES																									
29 PROCESSES AND PROPERTIES INDEX The determination of nitrogen in leather according to the method of Kjeldahl by distillation of the ammonia into boric acid. F. A. Sapozin and N. V. Ometov. <i>Izvestiya Tsentral. Nauch.-Issledovatel. Inst. Koshchennoi Prom.</i> 1932, No. 6/7, 54-8; <i>Chem. Zvest.</i> 1933, 1, 3857.—Exhaustive expts. indicated that absorption of the NH₃ in 50 cc. of 2% boric acid was most satisfactory. A mixt. of methylene blue and methyl red was used as indicator. W. A. Moore																																																			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
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Improvement of the analytical method for commercial sodium sulfide. F. A. Sapozin and K. I. Volodina. *Tekhnol. Nauch.-Issledovaniya. Inst. Koshernennol. Prom. Sbornik* No. 4, 125-35(1934).--The methods for analyzing com. Na_2S are reviewed critically and numerous suggestions made concerning the most advantageous procedure. A. A. Bochtlingk

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

REGION SYMBOLS

SYMBOLS MAP ONE ONE

RELATIONS

RELATION ONE ONE ONE

A rapid method for the determination of nitrogen in leather by the Kjeldahl method and by titration of the formal solution. M. K. Sergeev, E. A. Surugin and L. I. Belova. *Tekhn. Nauch.-Issledovatel. Inst. Kochereimol Prom., Sbornik Rabot No. 5, 367 (1934)*. By using Se powder or $\text{Na}_2\text{S}_2\text{O}_4$ as catalyst in the Kjeldahl method for red-tanned, chrome and sulfite-cellulose-tanned leather the time of analysis was decreased by 1.5-2 hrs. and the results were identical with those obtained by using the usual catalysts. Digest 1 g. of leather in a Kjeldahl flask with 10 cc. concd. H_2SO_4 + 2.5 g. K_2SO_4 + 0.05 g. Se. Transfer the contents to a 250-cc. measuring flask, fill with distd. H_2O to the mark, and titrate 25 cc. of the soln. with 2 N alkali in the presence of methyl red. To a second 25-cc. portion add 0.2-0.3 cc. less 2 N alkali and complete the titration with 0.1 N alkali to a change of the color, add 5 cc. of a neutralized 40% formal soln., let stand, add 6-7 drops of phenolphthalein, and titrate with 0.1 N alkali to a pink coloration. From the amount of 0.1 N alkali soln. required deduct the amount required for titration of a blank. Det. the amt. of N by the equation $1.4a/H$, where a is the no. of cc. 0.1 N alkali and H the wt. of the leather. The amount of N is revealed, for cow, horsehides and pig skins by using the factor 5.62, for goat skins and elk hides by 5.75 and for sheep skins by 5.85. A. A. Hochlingk.

29

pc

INFLUENCE OF VARIOUS PRETREATMENTS OF LEATHER SAMPLES ON THE RESULTS OF CHEMICAL ANALYSIS. P. A. Savagin and V. N. Turchin. *Tsentral. Nauch.-Issledovatel. Inst. Kozhevennoi Prom. Shornik* No. 8, 144-149 (1955).

Samples drawn from the head vat or the drum, broken up while wet, show a greater percentage of fat, soluble and to some extent of hide substance and have therefore a low content of combined tannins and a lower tanning factor, as compared with dried samples. The samples can be dried before grinding for the analysis and the drying can be carried out at room temp. or at a temp. up to 35°. In the investigation of the processes of tanning, the leather analysis should be carried out with the raw hide for comparison and this is then superseded by an analysis of the treated and dried hide. The hide should be prepd. for analysis in pieces 0.5-0.6 mm. thick and 3-6 mm. long. The Koerner leather-cutting machine should not be used because of great loss in H₂O through heat. The expts. are described and the results are tabulated.

A. A. Hochling

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

12000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000 70000 71000 72000 73000 74000 75000 76000 77000 78000 79000 80000 81000 82000 83000 84000 85000 86000 87000 88000 89000 90000 91000 92000 93000 94000 95000 96000 97000 98000 99000

Rapid method for determining the acidity and the salt content in pickle solutions. F. A. Sapegin and M. S. Stroyev. *Kondensiro-Otbezaya* From. 16, 393-4 (1935).—HCl is detd. first ultrimetrically and is then converted into "Bé. The concn. of NaCl is obtained by measuring the "Bé. of the soln. and making a correction for HCl. Conversion tables are given. A. A. Boekhtling

29

54157114, 154

¹⁵
Adhesives of chlorinated poly(vinyl chloride). Dependence
of their viscosity on the concentration and kind of solvents
used. F. A. Sapozhnik (Central Sci. Research Inst. Leather
and Leather Substitutes, Moscow). *Trudy Tsentral.*
Nauch.-Issledovatel. Inst. Kozh. Prom. 25, 48-79
(1955).—The relation of viscosity of soln. of chlorinated
poly(vinyl chloride) (I) to solvents used was studied. A
25% soln. of I in acetone had a viscosity 7.5-43.1 sec., in
EtOAc 24.8-181.2 sec. Differences of mol. wt. of I gave
viscosity differences only 3.7-5.1 sec. Addn. of 30% of
gasolene to solvents lowers the viscosity of I soln.; addn. of
50% raises the viscosity. EtOAc and BuOAc give highest
viscosities. The viscosity increases on aging and the
solns. sometimes gel. A techn. cement of 25-29% concn.
has a viscosity (Engler) 200-500 sec. Cements on acetone
basis contain 29-32% of dry substance. The best method
for detn. of viscosity of I soln. is a mounting bubble in a
glass tube of 7 mm. diam. L. Mosner

114.5
1-4620
2 may

Ph
omb

✓ Cement for footwear. F. A. Sapozin. U.S.S.R. 103.
431, Aug. 28, 1966. A perchlorovinyl base footwear cement
suitable for use in cementing nonpolar rubber is made by
addn. of BaO_2 . Instead of the latter, to the perchlorovinyl
soln. may be added $\text{C}_2\text{H}_2\text{O}_2$ or other peroxides of aromatic
comps.
M. Hosen

Mells

L

SAPEGIN, F.A.

Composition glues for rubber sole gluing. Kozh.-obuv.prom. 3
no.9:21-23 S '61. (MIRA 14:11)
(Boots and shoes, Rubber) (Glue)

COUNTRY : USSR
 CATEGORY : Farm Animals. Q
 The Swine.
 ABS. JOUR. : RZhBiol., No. 3, 1959, No. 12059
 AUTHOR : Sapega, L.
 INST. : Moscow Institute of Agriculture imeni K. A.*
 TITLE : Perfecting the Pigs of the Latvian White
 Purebred Group.
 ORIG. PUB. : Sb. stud. nauchno-issled. rabot Mosk. s.-kh.
 akad. in. K.A. Timiryazeva, 1957 (1958), vyp. 4*
 ABSTRACT : The circumstances are described through which
 the Latvian white purebred group of pigs
 which numbers more than 100,000 heads was
 created. These pigs are characterized by
 bulkiness, a long torso, high fertility and
 milk production, and early maturation rate.
 At the age of one month the weight of piglets
 amounted to 8.4 kg, at 2 months to 23.5, at
 4 months to 51, at 6 months to 80-104, and if
 they were fattened, at 9-10 months to 140-
 150 kg. -- A. D. Musin

Card: 1/1
 *Timiryazev.
 **7, 157-161

YEVDOKIMOV, Pavel Dmitriyevich; SAPEGIN, Dmitriy Danilovich;

[Stability, shear strength, and deformability of foundation structures on rock; laboratory and field experimental studies] Prochnost', soprotivliaemost' sdvigu i deformiruemost' osnovanii sooruzhenii na skal'nykh porodakh; laboratornye i polevye eksperimental'nye issledovaniia. Moskva, Energiia, 1964. 169 p. (MIRA 18:3)

SAPEGINA, N.I., inzh.

Performance of centrifugal dust collectors in Donets Basin coal
preparation plants. Ugol' 34 no.4:58-60 Ap '59.

(MIRA 12:7)

(Dust collectors) (Donets Basin--Coal preparation)

MAZUR, N.A.; SAPEGINA, T.S.; TRUBETSKOV, A.V.

Vasolidative effect of fibrinolysin. Kardiologiya 5 no.1:
58-61 Ja-F '65. (MIRA 18:9)

1. Institut terapii (direktor -- deystvitel'nyy chlen AMN
SSSR prof. A.L. Myasnikov) AMN SSSR, Moskva.

SAPEGINA, V.F.; RAVKIN, Yu.S.

Fleas occurring on birds in the northeastern Alta'. Izv.
Alt. otd. Geog. ob-va SSSR no.5:164 '65. (MIRA 18:12)

1. Biologicheskii institut Sibirskogo otdeleniya AN SSSR.

LUK'YANOVA, I.V.; SAPEGINA, V.F.

Role of various species of small mammals as hosts of ixodid ticks in the forest-steppe foothills of the Altai. Izv. Alt. otd. Geog. ob-va SSSR no.5:175-177 '65. (MIRA 18:12)

1. Biologicheskii institut Sibirskogo otdeleniya AN SSSR.

SAPEQINA, V.F.

Ixodid ticks of a forest-steppe focus of tick-borne encephalitis
in the northeastern Altai. Izv. Alt. otd. Geog. ob-va SSSR no.5:
178-180 '65. (MIRA 18:12)

1. Biologicheskii institut Sibirskogo otdeleniya AN SSSR.

ACC NR: A 6005570

SOURCE CODE: UR/0000/65/000/000/0070/0080

AUTHOR: Aydantsev, L. D.; Sapegin, V. F.

ORG: none

TITLE: Effect of the number of indicants upon the reliability of recognition in determining (with an error) the a-priori probability of classes

SOURCE: AN UkrSSR. Chitayushchiye avtomaty i raspoznaniye obrazov (Reading devices and pattern recognition). Kiev, Naukova dumka, 1965, 70-80

TOPIC TAGS: pattern recognition, statistical analysis

ABSTRACT: A case of recognition is considered when many indicants are common to all pictures and the number of indicant gradations is the same for all pictures. The recognition problem includes identification of a realization b_n with one of the pictures a_i . This identification is based on an analysis of the a-posteriori probabilities which are calculated from this formula:

Maximum of $p(a/b)$ may serve as a criterion of the identification. The possibility is considered of compensating the lack of accurate knowledge of the distribution $p(a)$ by increasing the number of indicants used; here, $p(a)$ is the

$$p(a/b) = \frac{p(a)p(b/a)}{\sum_A p(a)p(b/a)} = \begin{cases} p(a_1/b) = \frac{p(a_1)p(b/a_1)}{\sum_{i=1}^M p(a_i)p(b/a_i)} \\ \vdots \\ p(a_M/b) = \frac{p(a_M)p(b/a_M)}{\sum_{i=1}^M p(a_i)p(b/a_i)} \end{cases}$$

Card 1/2

L 39525-56

ACC NR: AT6005570

a-priori distribution of probabilities that characterizes the set of pictures. With known distribution $p(a)$, a greater number of indicants results in reduction of a-posteriori entropy. With a sufficiently great number of indicants and with the error $\Delta p(a)$ variation in the entire range of its possible values, the average probability of the recognition error can be made as small as desired. A numerical example illustrated the above considerations. Orig. art. has: 5 figures and 33 formulas.

SUB CODE: 12 / SUBM DATE: 31Aug65 / ORIG REF: 003 / OTH REF: 001

Card 2/2 Wab

DROSDOVA, Yu.F.; SAPEGINA, V.F.

Distribution of ixodid ticks by landforms in the northeastern
Altai. Izv. Alt. otd. Geog. ob-va SSSR no.5:78-83 1965.
(MIRA 18:12)

1. Biologicheskii institut Sibirskogo otdeleniya AN SSSR.

SAPELINA-BELOKURSKAYA, V.I.

Studying measures for the control of the potato nematode in the
Lithuanian S.S.R. Trudy Gel'm. lab. 9:264-265 '59.

(MIRA 13:3)

(Potatoes--Diseases and pests) (Nematoda)
(Anthelmintics)

SAPELKIN, A. A., Cand Biol Sci — (diss) "On the problem of the effect of
tiargen, neoplasmine, and tryptaflavine upon ^{the} conditioned reflex activity
of animals." Kazan', 1958. 10 pp (Min of Agriculture USSR, Kazan' State
Vet Inst im N. E. Bauman), 100 copies (KL, 17-58, 106)

-20-

8/058/63/000/003/090/104
A059/A101

AUTHORS: Sapelkin, A. I., Slyusarskiy, V. A.

TITLE: On energy losses in a finned structure with a conducting plane above it

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 27, abstract 3Zh161
("Uch. zap. Khar'kovsk. un-t", 1962, v. 121, Tr. Radiofiz. fak.,
v. 5, 84 - 89)

TEXT: An expression for the attenuation in a broad comb has been found. In this case, the field in the grooves is approximated by the TEM wave, and the field above the grooves by one spatial harmonic. The magnetic field at the top of the projection is considered to be equal to the magnetic field at the entry of the groove.

I. Beluga

[Abstracter's note: Complete translation]

Card 1/1

ACCESSION NR: AR3000173

8/0274/63/000/004/A054/A054

SOURCE: RZh. Radiotekhnika i elektrosvyaz', Abs. 4A331

AUTHOR: Sapelkin, A. I.; Slynarskiy, V. A.

TITLE: Energy losses in ribbed structure with superposed conducting plane.

CITED SOURCE: Uch. zap. Khar'kovsk. un-t. Tr. Radiofiz. fak., v. 121, no. 5, 1962, 84-89

TOPIC TAGS: Energy losses; dispersion of waves; Vaynshteyn's procedure; "comb" delay system

TRANSLATION: Calculations are presented of the dispersion of waves in a delay system of the "comb" type, taking into account the influence of dimensions of ribs and slits on phase velocity value. The following assumptions are made: the presence of a single fundamental wave; ideal

Card 1/2

ACCESSION NR: AR3000173

conduction of the material of the comb; infinite length of comb; an averaging of the boundary conditions. The losses in the comb with conducting plane are determined. The procedure of Vaynshteyn is employed, taking in consideration only the principal wave. An expression for the attenuation constant is derived. Orig. art. has: 8 references. A. M.

DATE ACQ: 16May63 ENCL: 00

SUB CODE: 00

Card 2/2

TSELUYKO, N.I.; SAPELKIN, A.I.; FIL', Ye.V.; PUZYRNIY V.P.; GOLUB, S.T.;
LANTSOV, V.T.

Annealing malleable cast iron without packing. Lit. proizv. no.
10:42-43 0 '63. (MIRA 16:12)

BARYSHEVSKIY, I.M.; BAPELEIN, A.I.; DRUYAN, R.L.; KOROSHENKO, N.I.;
OSIPOVA, N.A.

Oil-free KO¹ binder. Lit. proizv. no.2:11-13 F '65.

(MIRA 18:6)

SHUL'TE, Yu.A.; GLADKIY, S.I.; BARYSHEVSKIY, L.M.; BERKUN, M.N.;
LJNEV, V.V.; SAPELKIN, A.I.; VOLCHOK, I.P.; SHEVCHUK, F.T.;
KJRBATOV, M.I.

Heat treatment of medium-carbon steel castings. Lit. proizv.
no.4:9-10 Ap '64. (MIRA 18:7)

BARYSHEVSKIY, L.M.; DOROSHENKO, N.I.; DRUYAN, R.L.; OSIPOVA, N.A.; SAPELKIN, A.I.

Using the KO oilless binder for preparing core mixes. Biul.tekh.-ekon.
inform.Cos.nauch.-issl.inst.nauch.i tekhn.inform. 18 no.5:39-42 My '65.
(MIRA 18:6)

SAPELKIN, G.; KOBRINSKIY, I.

Of help to trackworkers ("Straightening out switch connections"
by A.T. Kragel'. Reviewed by G. Sapelkin, I. Kobrinskiy). Zhel.
dor.transp.36 no.5:95 My '55. (MIRA 12:5)

1. Nachal'nik sluzhby puti Kalininskoy dorogi, Smolensk (for
Sapelkin). 2. Glavnyy inzhener sluzhby puti, Smolensk (for Kobrinskiy).
(Railroads--Switches)
(Kragel', A.T.)